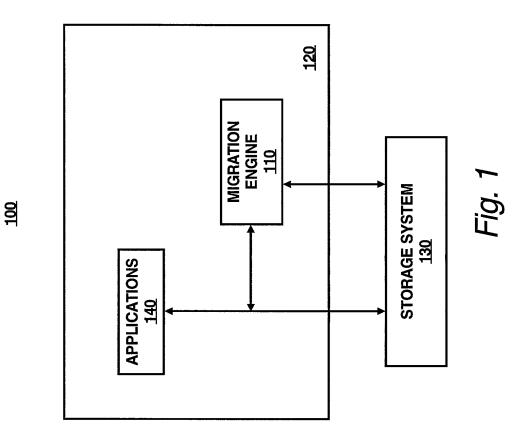
METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 1/9



METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al.

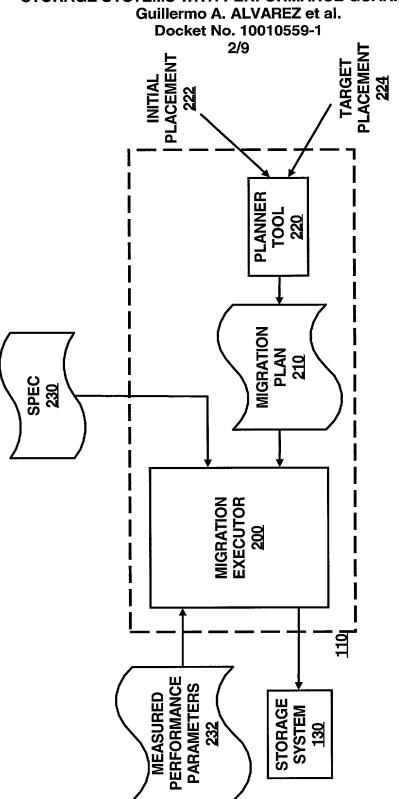


Fig. 2

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 3/9

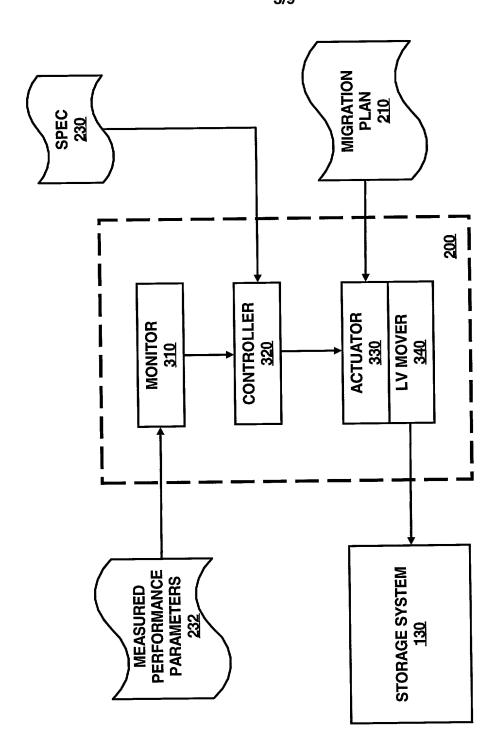


Fig. 3

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 4/9

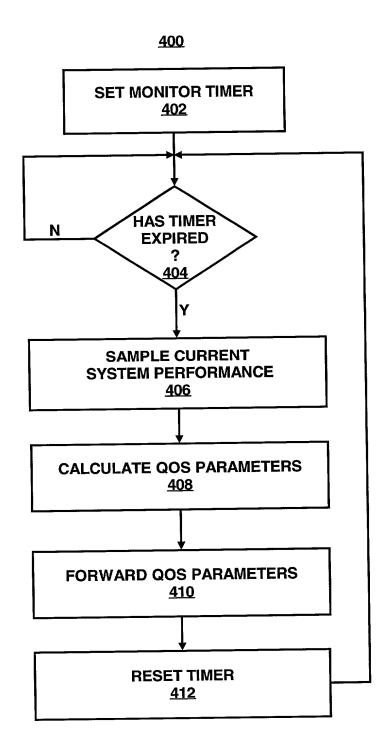


Fig. 4

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 5/9

<u>500</u> **CALCULATE ERROR FOR EACH** DEVICE <u>502</u> **DETERMINE THE SMALLEST ERROR** 504 **CALCULATE THE CHANGE IN MOVE RATE** <u>506</u> CALCULATE NEW MOVE RATE, R_M 508 CONVERT R_M TO INTER-MOVE-TIME T_{im} <u>510</u> NOTIFY ACTUATOR OF NEW Tim 512 **WAIT FOR NEW QOS** PARAMETER VALUES <u>514</u>

Fig. 5

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 6/9

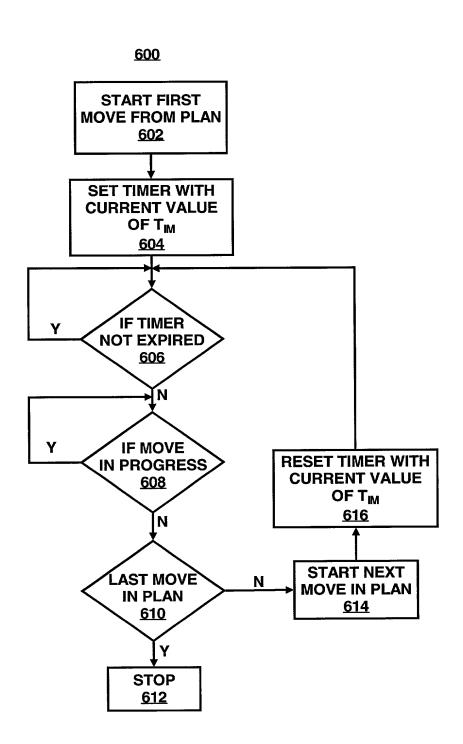


FIG. 6

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 7/9

<u>700</u>

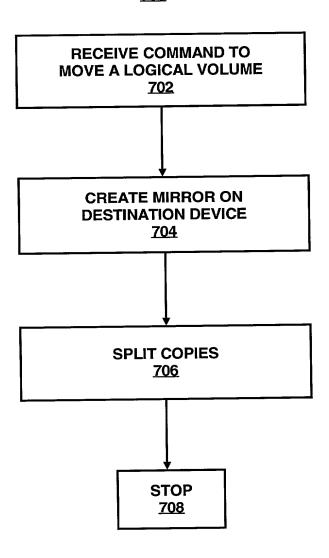


Fig. 7

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 8/9

CPU MODULE

APPLICATIONS
830

810

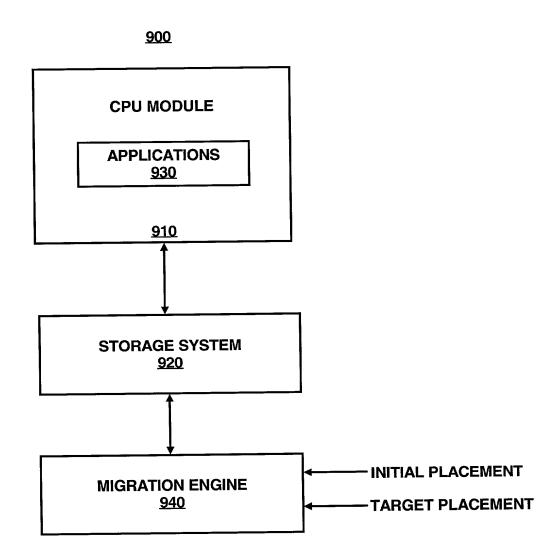
STORAGE SYSTEM
820

MIGRATION ENGINE
840

PRIOR ART

Fig. 8

METHOD AND SYSTEM FOR ONLINE DATA MIGRATION ON STORAGE SYSTEMS WITH PERFORMANCE GUARANTEES Guillermo A. ALVAREZ et al. Docket No. 10010559-1 9/9



PRIOR ART

Fig. 9